

1-1. Unit Specifications

Single - Type

1-1-3. PZH4

1-1-3-4. Ceiling Type S-1014PT3E(100) / U-100PZH4E8

INDOOR			MODEL		S-1014PT3E(100)			-			-	
PANEL			MODEL		-			-			-	
OUTDOOR			MODEL		-			U-100PZH4E8			-	
Branch pipe			MODEL		-			-			-	
Performance test condition					ISO5151 / EN14511 / EN12102 / EN14825							
Power supply			Ø, Hz		1Ø 50Hz			3Ø 50Hz				
			V		220V	230V	240V	380V	400V	415V	Min	Max
C O O L I N G	Capacity	kW		9.5	9.5	9.5	-	-	-	3.1	12.5	
		BTU/h		32400	32400	32400	-	-	-	10600	42700	
	Current	A		0.69	0.67	0.65	3.90	3.70	3.55	-	-	
		W		80	80	80	-	-	-	-	-	
	Input power	TOTAL W		-			2.34k	2.34k	2.34k	580	3.80k	
		TOTAL kWh *4		-	-	-	-	1170	-	-	-	
	EER/EER CLASS		TOTAL (W/W) *5/ ("A"~"G")		-	-	-	4.06	4.06 / A	4.06	5.34	3.29
	ErP *6	Pdesign		kW		-	-	-	-	9.5	-	-
		SEER		(W/W)		-	-	-	-	7.2	-	-
		Annual consumption		kWh		-	-	-	-	462	-	-
Class				-	-	-	-	A++	-	-		
Power factor		%		-	-	-	91	91	92	-	-	
Noise indoor *7	dB-A (H/M/L)		42/37/34			-			-			-
	Power Level dB		60/55/52			-			-			-
	dB-A (H/L)		-			52/-			-			-
	Power Level dB		-			69/-			-			-
H E A T I N G	Capacity	kW		11.2	11.2	11.2	-	-	-	3.1	14.0	
		BTU/h		38200	38200	38200	-	-	-	10600	47800	
	Current	A		0.69	0.67	0.65	4.65	4.45	4.25	-	-	
		W		80	80	80	-	-	-	-	-	
	Input power	TOTAL W		-			2.80k	2.80k	2.80k	560	3.95k	
		TOTAL (W/W) *5/ ("A"~"G")		-	-	-	4.00	4.00 / A	4.00	5.54	3.54	
	ErP *6	Pdesign at -10°C		kW		-	-	-	-	7.8	-	-
		Tbivalent		°C		-	-	-	-	-10	-	-
		SCOP		(W/W)		-	-	-	-	4.5	-	-
		Annual consumption		kWh		-	-	-	-	2427	-	-
		elbu(-10°C)		kW		-	-	-	-	0.00	-	-
		Class				-	-	-	-	A+	-	-
	Power factor		%		-	-	-	91	91	92	-	-
	Noise indoor *7	dB-A (H/M/L)		42/37/34			-			-		
Power Level dB		60/55/52			-			-			-	
dB-A (H/L)		-			52/-			-			-	
Power Level dB		-			69/-			-			-	
LOW TEMP	Total capacity(kW) / Input power(W) / COP				-			-	-	-	-	
EXTRA LOW TEMP	Total capacity(kW) / Input power(W) / COP				-			9.00	-	-	-	
Max Current(A) / Max Input power(W)				1.24/170	1.20/170	1.16/170	9.90 / 6.05k	9.90 / 6.30k	9.90 / 6.50k	-	-	
Starting current(A) (Cooling/Heating)				-	-	-	3.90 / 4.65	3.70 / 4.45	3.55 / 4.25	-	-	
Comp output(W)				-			2.50k	2.50k	2.50k	-	-	
Time Delay fuse max size(A)				-			15			-	-	
Network Impedance(ΩMAX.)				-			-			-	-	
Fan motor output (Indoor/Outdoor) W				129			120			-	-	
Moisture removal volume			L/h	3.6 (3.6×1)			-			-	-	
External static pressure			Pa	-			-			-	-	
Indoor Air flow *7	Cooling	m³/min (H/M/L)		30.0 / 25.0 / 23.0			-			-	-	
	Heating	m³/min (H/M/L)		30.0 / 25.0 / 23.0			-			-	-	
Outdoor Air flow	Cooling	m³/min		-			76.0			-	-	
	Heating	m³/min		-			70.0			-	-	
Refrigerant type / amount(ship) kg / amount(max) kg				-			R32	2.700	5.975	-	-	
F-Gas	GWP /		-			675	1.82	4.03	-	-		
	CO2eq (ton) (PRECHARGED AMOUNT) / CO2eq (ton) (MAXIMUM CHARGED AMOUNT)		-			-	-	-	-	-		
Product dimension		Height mm	235			996			-	-		
		Width mm	1590			980			-	-		
		Depth mm	690			370			-	-		
Product dimension (Panel)		H×W×D mm	-			-			-	-		
Packing dimension		Height mm	360			1134			-	-		
		Width mm	1655			1095			-	-		
		Depth mm	820			529			-	-		
Weight		(NET) kg	40			82			-	-		
		(GROSS) kg	49			90			-	-		
		Panel (NET) kg	-			-			-	-		
Layers limit (actually)				9(10)			1 (2)			-		
Operation condition		Cool (DBT)	18°C~32°C			-15°C(*8 -20°C)~52°C			-	-		
		Heat (DBT)	16°C~30°C			-20°C ~ 24°C			-	-		
Max Working Pressure HP/LP MPa				4.15/2.55			-			-		
P I P I N G	Pipe port diameter mm (inch)		(Liquid)Ø9.52(3/8) (Gas)Ø15.88(5/8)			(Liquid)Ø9.52(3/8) (Gas)Ø15.88(5/8)			-	-		
	Pipe diameter mm (inch)		(Liquid)Ø9.52(3/8) (Gas)Ø15.88(5/8)			-			-	-		
	Connecting method		flared type			flared type			-	-		
	Standard length m		5 m			-			-	-		
	Pipe length range m *9		5 ~ 100 m			-			-	-		
	Indoor unit & Outdoor unit height difference m		15 m(OD located lower) / 30 m(OD located higher)			-			-	-		
	Add gas amount (20~85) g/m		40 g/m			-			-	-		
	Add gas amount (85~100) g/m		25 g/m			-			-	-		
	Pipe length for additional gas m		30m			-			-	-		

* In the case of nanoe X OFF

*1 In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.

*2 If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230V shall be used.

*3 Network Impedance shall be applicable for EUROPE and CHINA models.

*4 The annual consumption is calculated by multiplying the input power at 230V(400V) by an average of 500 hours per year in cooling mode.

*5 EER and COP classification is at 230V(400V) only in accordance with EU directive 2002/31/EC.

*6 SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating SCOP indicates the value of only Average heating season Other fiche data indicates in an attached sheet

*7 H : High at setting 5 stage (Level 5) M : Middle at setting 5 stage (Level 3) L : Low at setting 5 stage (Level 1)

*8 It is possible to operate at -20°C only computer rooms with the piping length of 30m or less.

*9 Total piping length is 100m but maximum wiring length is 85m. Piping length maybe limited depending on the wiring length.